



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/774,639
				Filing Date	February 3, 2004
				First Named Inventor	Tommy R. Shedd et al.
				Art Unit	1724
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	CEHR 03-13 02

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass
		Number - Kind Code ² (if known)				
<i>DL</i>	A	US-4,626,992	12-02-1988	GREAVES, John et al.		
<i>DL</i>	B	US-5,140,855	08-25-1992	GRUBER, David		
<i>DL</i>	C	US-5,307,052	04-26-1994	HARRISON, Frank P.		
<i>DL</i>	D	US-5,469,144	11-21-1995	GRADZKI, Pawel et al.		
<i>DL</i>	E	US-5,804,705	09-08-1998	FLORION, André et al.	73	61.41
<i>DL</i>	F	US-6,058,763	05-09-2000	SHEDD, Tommy R. et al.	73	61.41
<i>DL</i>	G	US-6,119,630	09-19-2000	LOBSIGER, Ulrich et al.		
<i>DL</i>	H	US-6,393,899 B1	05-28-2002	SHEDD, Tommy R. et al.	73	61.41
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
<i>DL</i>	A1	GB 2195 543 A	04-13-1988	Water Research Center		
<i>DL</i>	B1	WO 95/14925 A1	06-01-1995	Nance-Centre International	73	61.41
<i>DL</i>	C1	WO 98/41862	09-24-1998	Secretary of the Army	73	61.41

Examiner Signature	<i>[Signature]</i>	Date Considered	2/2/2005
--------------------	--------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/088 (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/774,639		
		Filing Date	February 3, 2004		
		First Named Inventor	Tommy R. Shedd et al.		
		Group Art Unit	1724		
		Examiner Name	Not yet Assigned		
Sheet	2	of	2	Attorney Docket Number	CEHR 03-13 02

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
Dr	AA	ASTM Standard Guide for Ventilatory Behavioral Toxicology Testing of Freshwater Fish, E1768-95,9,ASTM, West Conshohocken, PA.	
Dr	BB	CARLSON, R. W. et al., "Fish Cough Reponse - A Method for Evaluating Quality of Treated Complex Effluents", Water Research, 1978, Vol. 12, pp. 1-6.	
Dr	CC	"Real-Time Monitoring for Toxicity Caused by Harmful Algal Blooms and Other Water Perturbations", EPA November 2001	
Dr	DD	Continuous Automated Biomonitoring: Perspectives and Applications, U.S. Army Corps of Engineers Seventh Innovative Technology Transfer Workshop, Mar. 20, 1997	
Dr	EE	GRUDER, D. et al., "Initial Testing of a recent Biological Monitoring Concept", Journal of Water Pollution Control Federation, Nov. 1979, Vol. 51, No. 11, pp. 2744-2751	
Dr	FF	NELMS, et al. "BeRM: Bioelectric Response Monitor", proceedings from IEEE SouthEast Con '92, Apr. 12-15, 1992, Birmingham, Alabama, IEEE, Vol. 1, No. 12, pp. 91-94	
Dr	GG	SHEDD, Tommy R. et al., "Evaluation of an Automated Fish Ventilatory Monitoring System in a Short-Term Screening Test for Chronic Toxicity," U.S. Army Biomedical Research and Development Laboratory, Technical Report AD A172116, Fort Detrick, MD, July 1986	
Dr	II	SHEDD, Tommy R., et al., "Long-Term Operation of an Automated Fish Biomonitoring System for Continuous Effluent Acute Toxicity Surveillance", Bull. Environ. Contam. Toxicol, 2001, pp. 392-399	
Dr	JJ	VAN DER SHALIE, W. H., "A New Technique for Automatic Monitoring of Fish Ventilatory Patterns and Its Possible Use in Screening Tests for Chronic Toxicity" In Aquatic Toxicology: Third Conference ASTM STP 707; J. Eaton, P. Parrish, and A. Hendricks (eds.), Philadelphia, PA. 1980, pp. 233-242	
Dr	KK	VAN DER SHALIE, W. H. et al., "Ventilatory and Movement Response of Rainbow Trout Exposed to 1,3,5-Trinitrobenzene in an automated Biomonitoring System", Automated Biomonitoring - Living Sensors as Environmental Monitors (eds.), Ellis Horwood Publishers, West Sussex, England, 1988, pp. 67-74	
Dr	LL	WESTLAKE, G. F. et al., "Evaluation of An Automated Biological Monitoring System at an Industrial Site", In ASTM STP 607, J. Cairns, Jr., K.L. Dickson, and G.F. Westlake, (eds.), 1997, pp. 30-37	

Examiner Signature:	Date Considered: 21 May 2005
---------------------	------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231